

## ABSTRACT

The present invention proposes a highly reliable communication system and communication method, a communication terminal device used for the communication system, a control method thereof, and a program installed on the communication terminal device. In communication system and communication method, the communication terminal device used for the communication system, the control method thereof, and the program installed on the communication terminal device, a first communication terminal originates a first message. In response to the first message, a third communication terminal originates a second message. Based on these messages, the first through third communication terminals create routes to the first or third communication terminal. The first communication terminal transmits a route request composed of a request for a route used for communication with the third communication terminal. The second and third communication terminals create multiple routes to the first or third communication terminal. A communication route is established between the first and third communication terminals using a route that belongs to the created routes and satisfies the route request transmitted from the first communication terminal.